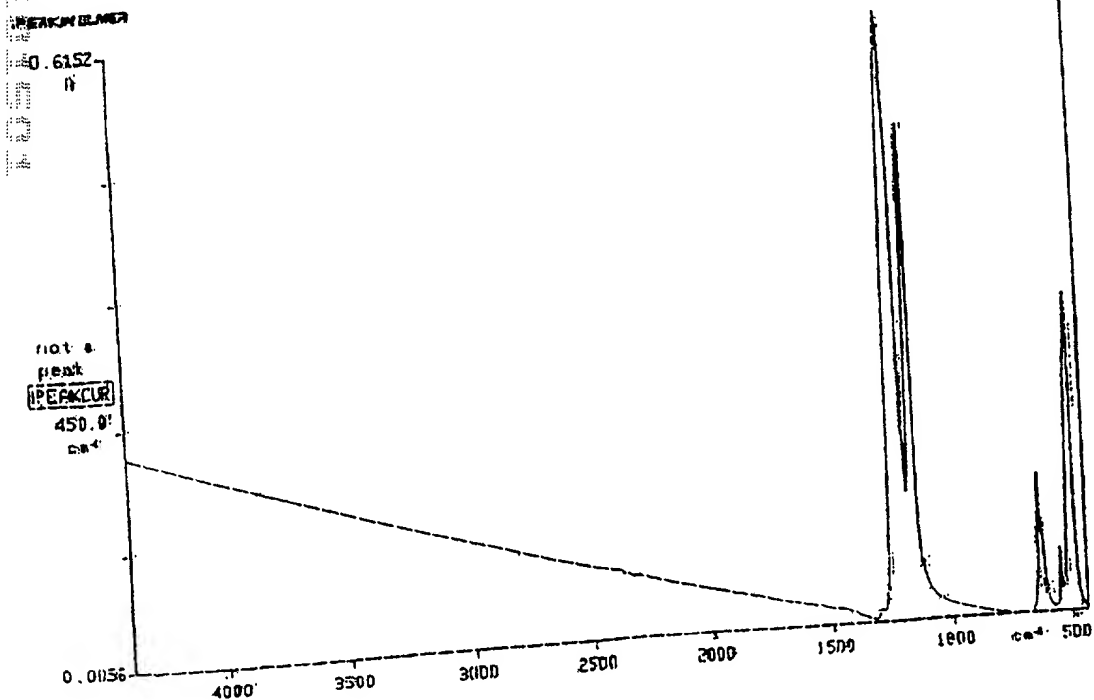
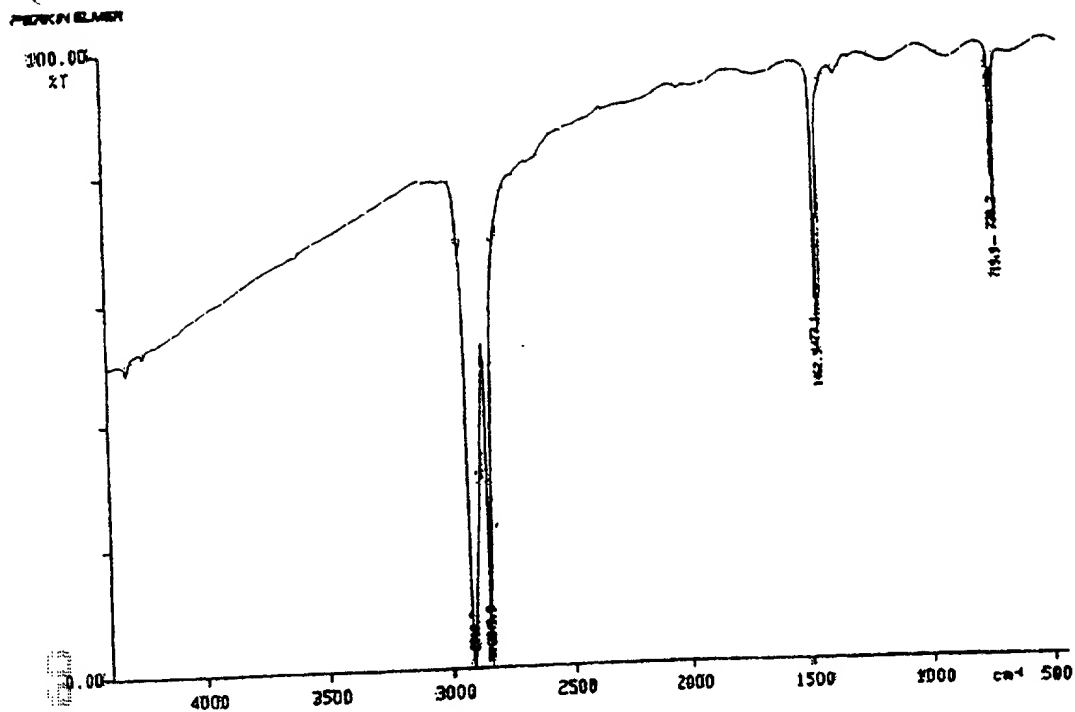


00/10/09 15:30
3mteflon: 64 scans, 4.0cm-1
Teflon-type 62

FIGURE 1--- PTFE 3M SAMPLE CARD TRANSMISSION SPECTRUM (TOP)
AND ABSORBANCE SPECTRUM (BOTTOM)

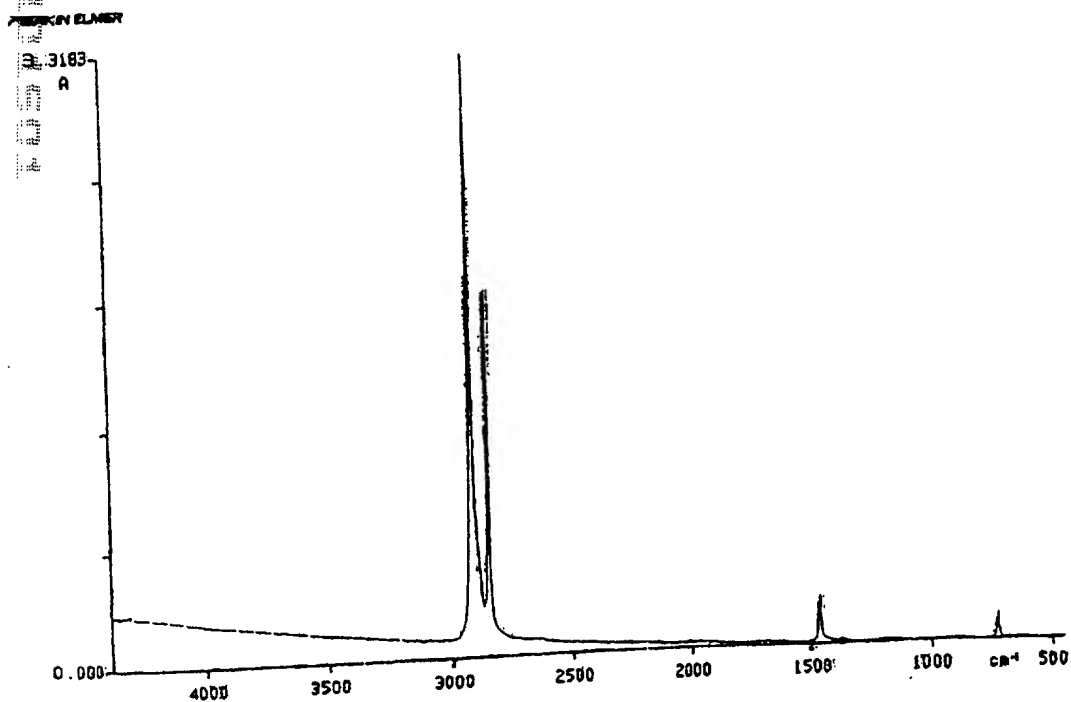


00/10/09 15:30
3mteflon: 64 scans, 4.0cm-1
Teflon-type 62



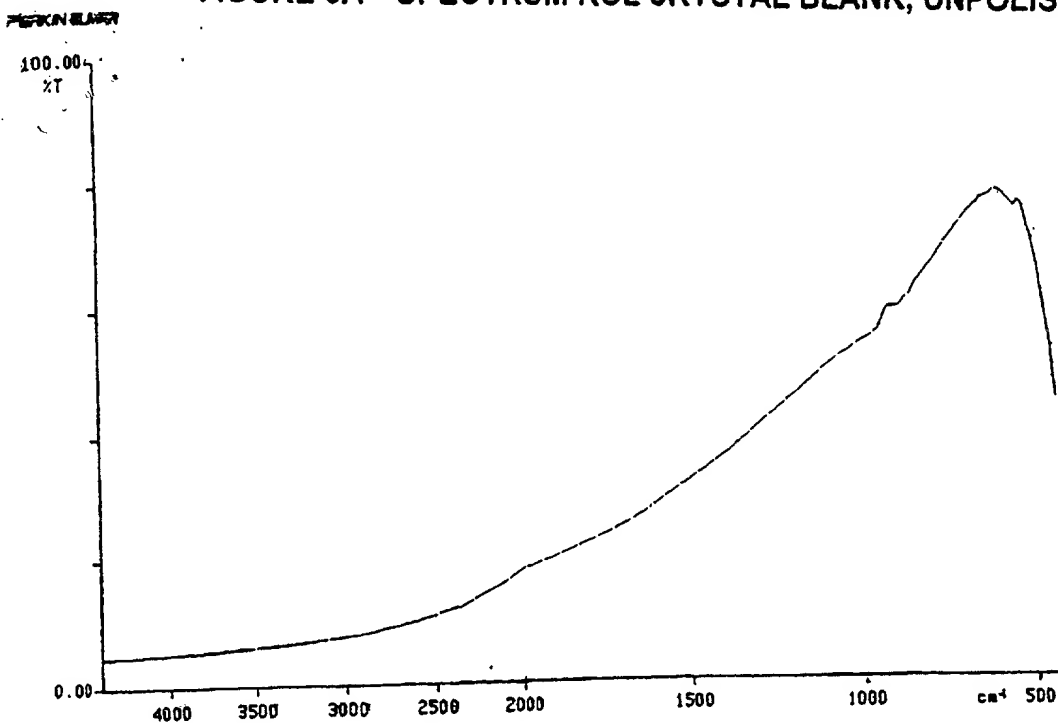
00/10/09 15:43
36polys: 64 scans, 4.0cm-1
Polyethylene-type61

FIGURE 2--- POLYETHYLENE 3M SAMPLE CARD TRANSMISSION SPECTRUM (TOP) AND ABSORBANCE SPECTRUM (BOTTOM)

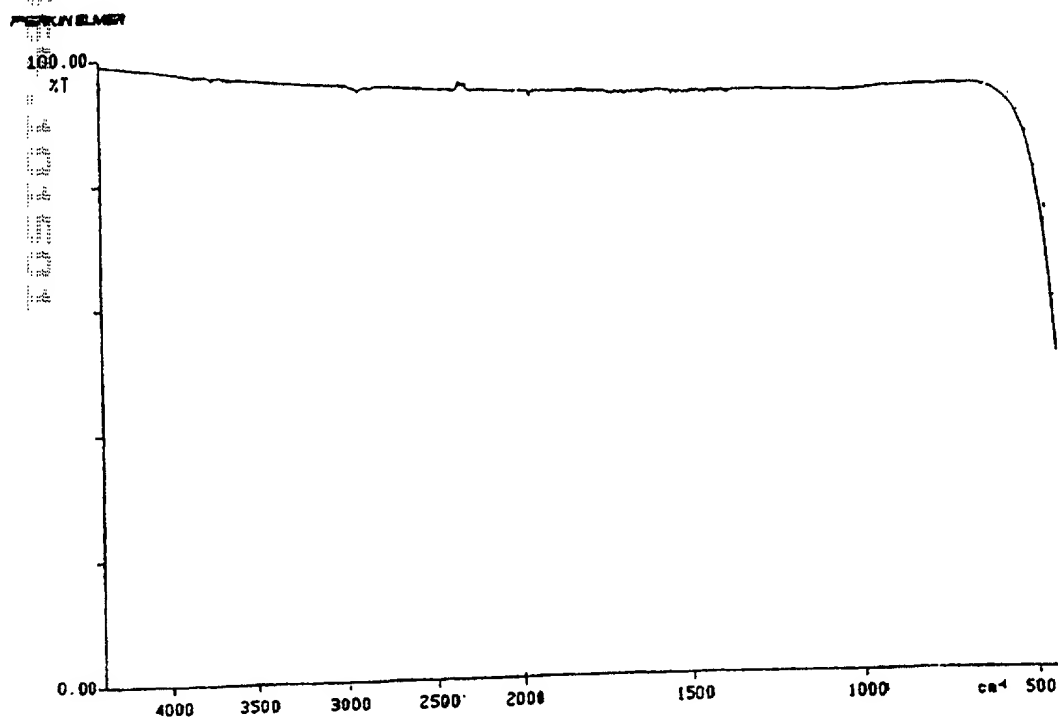


00/10/09 15:43
36polys: 64 scans, 4.0cm-1
Polyethylene-type61

FIGURE 3A---SPECTRUM KCL CRYSTAL BLANK, UNPOLISHED



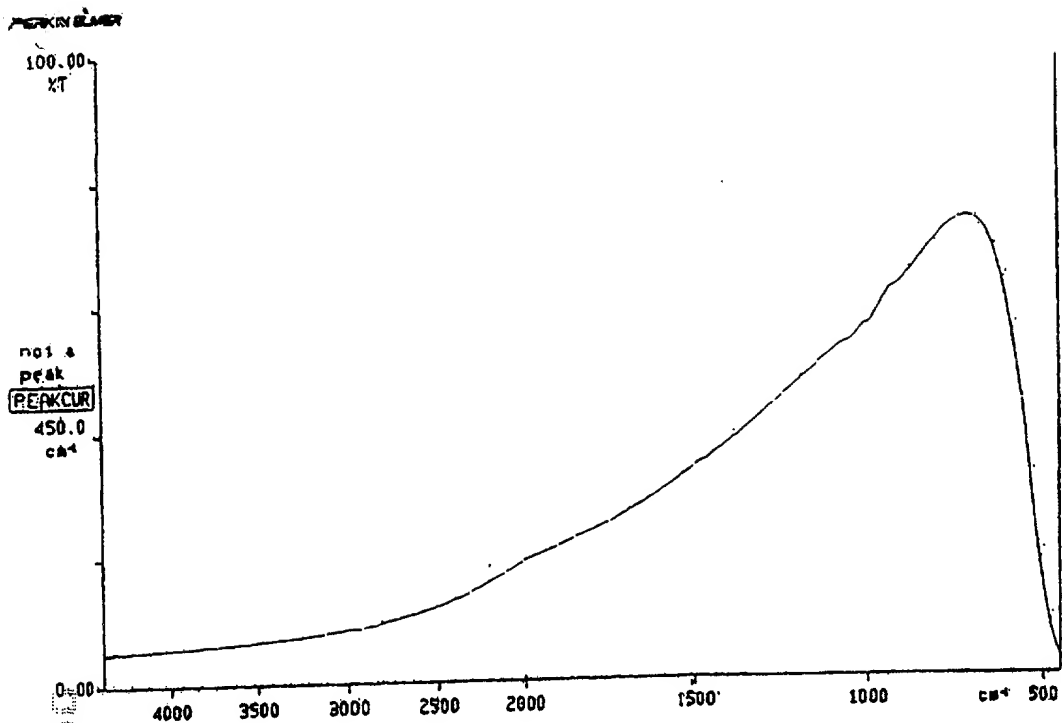
00/10/10 09:36
kclunpl: 64 scans, 4.0cm-1
kcl unpol 25x5mm



00/10/10 10:12
kcl2: 64 scans, 4.0cm-1
kcl unpol/H2o pol

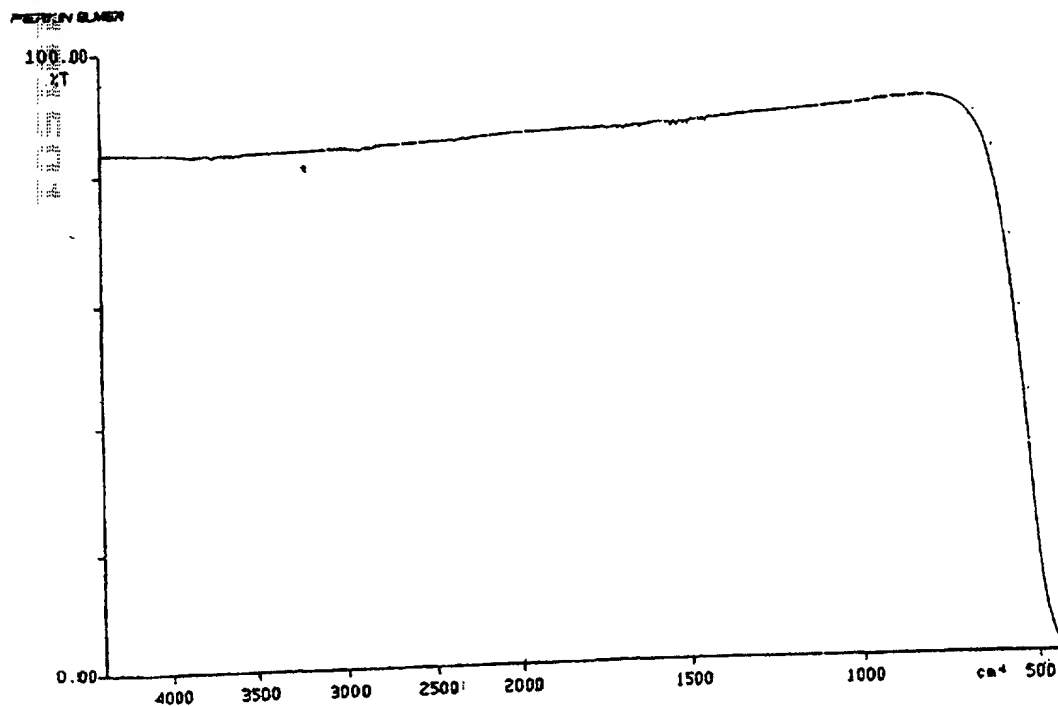
FIGURE 3B---SPECTRUM KCL CRYSTAL BLANK, WATER POLISHED

FIGURE 4A---SPECTRUM NACL CRYSTAL BLANK, UNPOLISHED



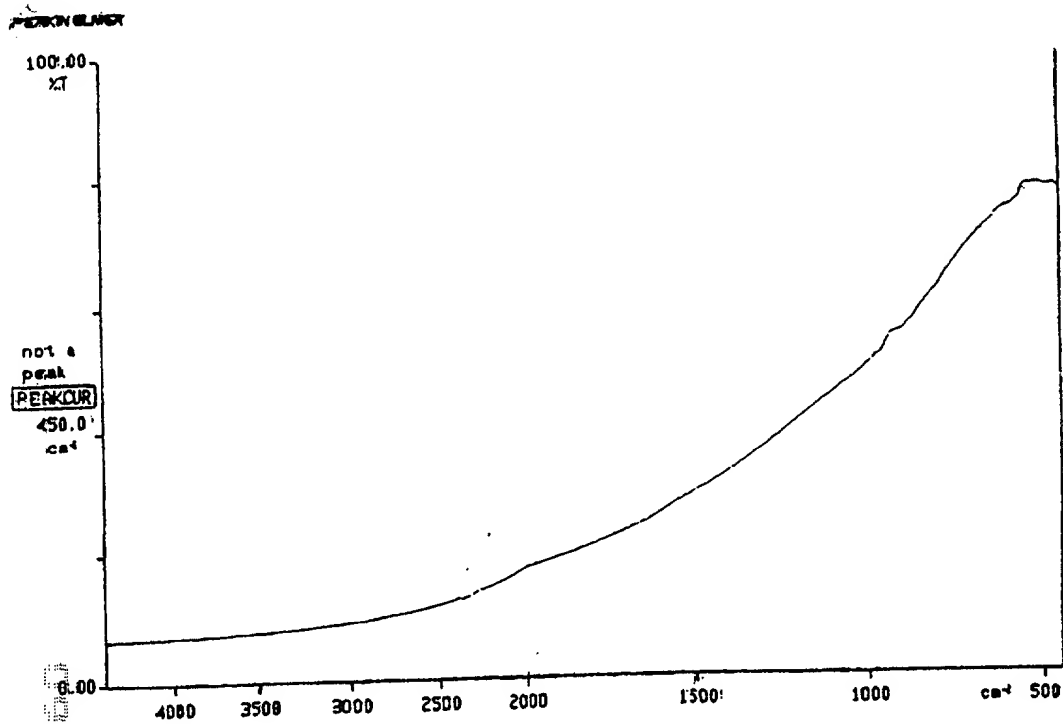
08/10/10 09:31
nacl1: 64 scans, 4.0cm⁻¹
NaCl unpol 25x5mm

FIGURE 4B---SPECTRUM NACL CRYSTAL BLANK, WATER POLISHED



08/10/10 09:45
nacl2: 64 scans, 4.0cm⁻¹
NaCl Unpol/h2o pol

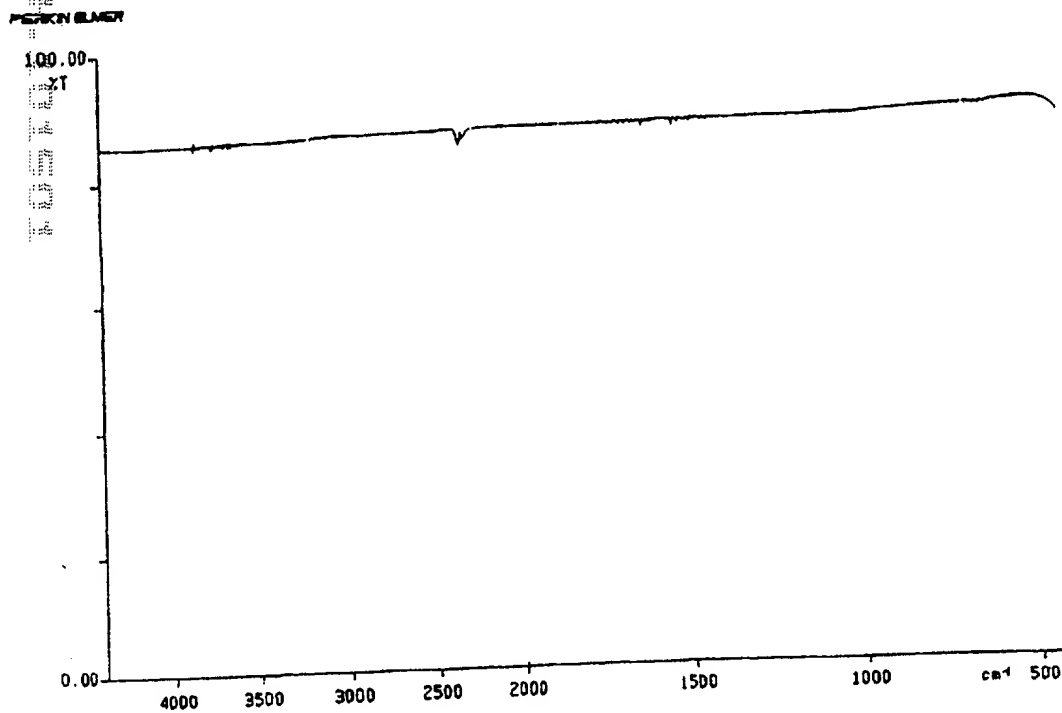
FIGURE 5A---SPECTRUM KBR CRYSTAL BLANK, UNPOLISHED



00/10/10 09:24

kbr1: 4 scans, 4.0cm⁻¹

kbr unpol 25x5mm



00/10/10 14:35

kb2h20p1: 4 scans, 4.0cm⁻¹

kbr unpol/H2O com. pol.

FIGURE 5B---SPECTRUM KBR CRYSTAL BLANK, WATER POLISHED

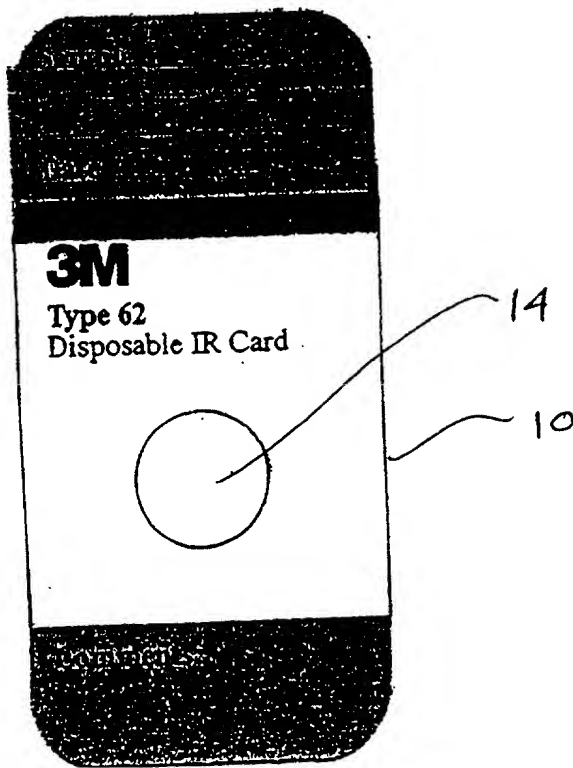



FIGURE 6---3M SAMPLE CARD---PTFE

JANOS ECRANTM
TECHNOLOGY INC. Screen
Cell[®]
P/N E515-0005

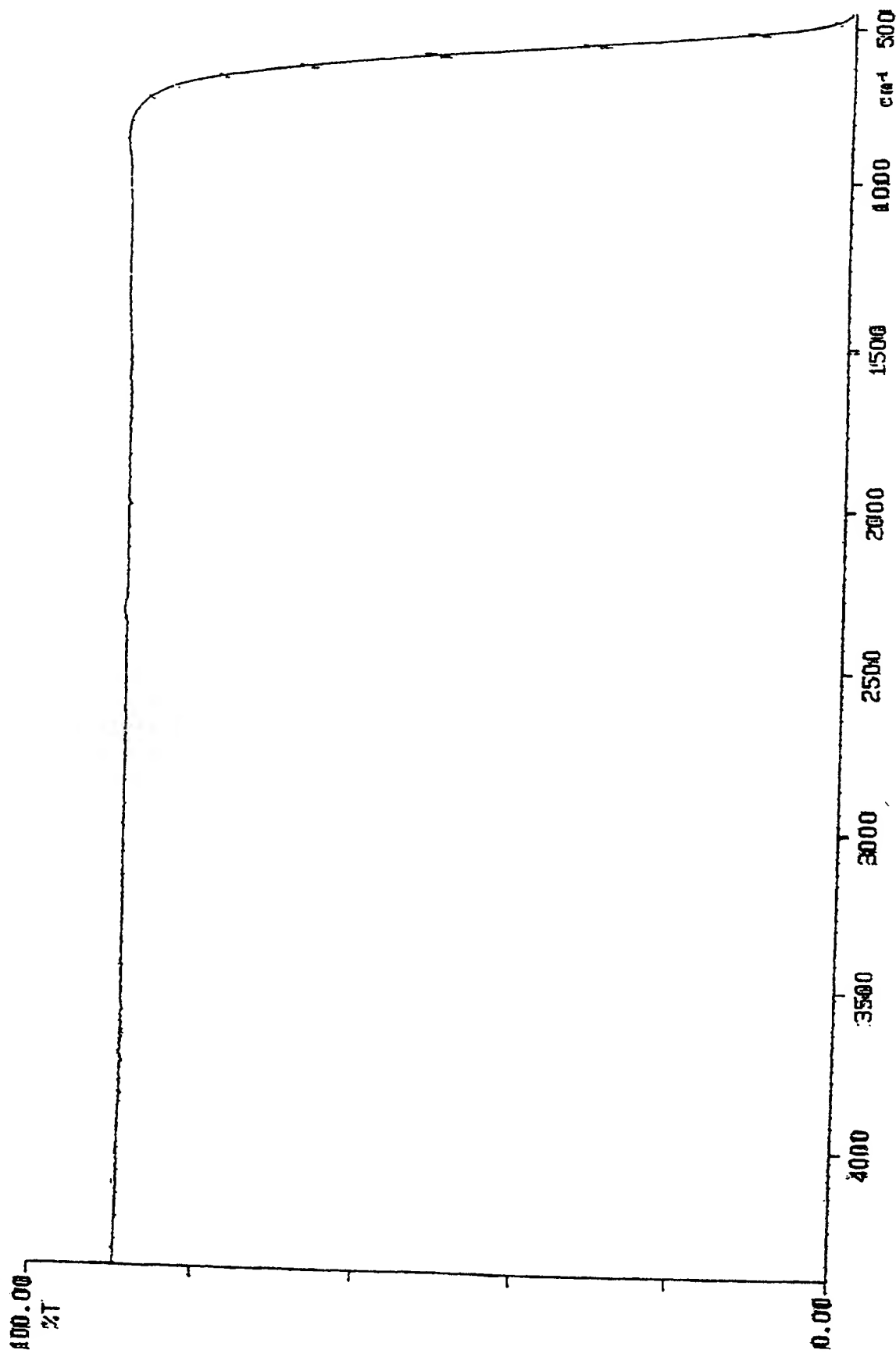
Date _____
Sample _____



A Green Line Product
US PAT. #5,453,252
JANOS TECHNOLOGY INC.
RTE. 26, TOWNSEND, VT 05659
802-365-7714

FIGURE 7---JANOS SCREEN CARD

PERKIN ELMER

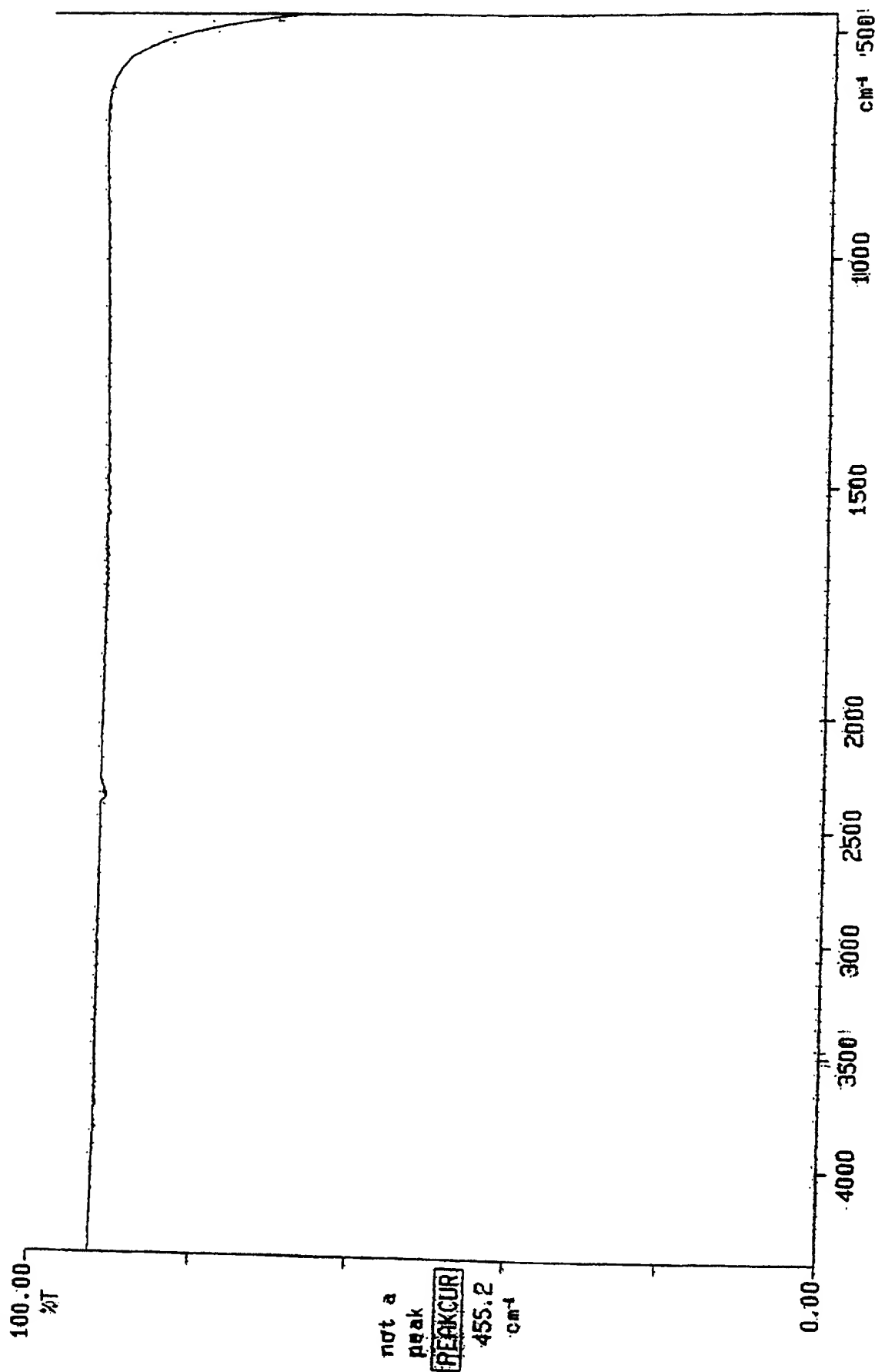


00/10/16 14:24

X: 1 scan, 4.0cm⁻¹

FIGURE 8---SPECTRUM OF CLEAVED NaCl CRYSTAL SAMPLE
SUPPORT MOUNTED IN 19MM APERTURE
SAMPLE CARD

PERKINELMER



00/10/10 11:37

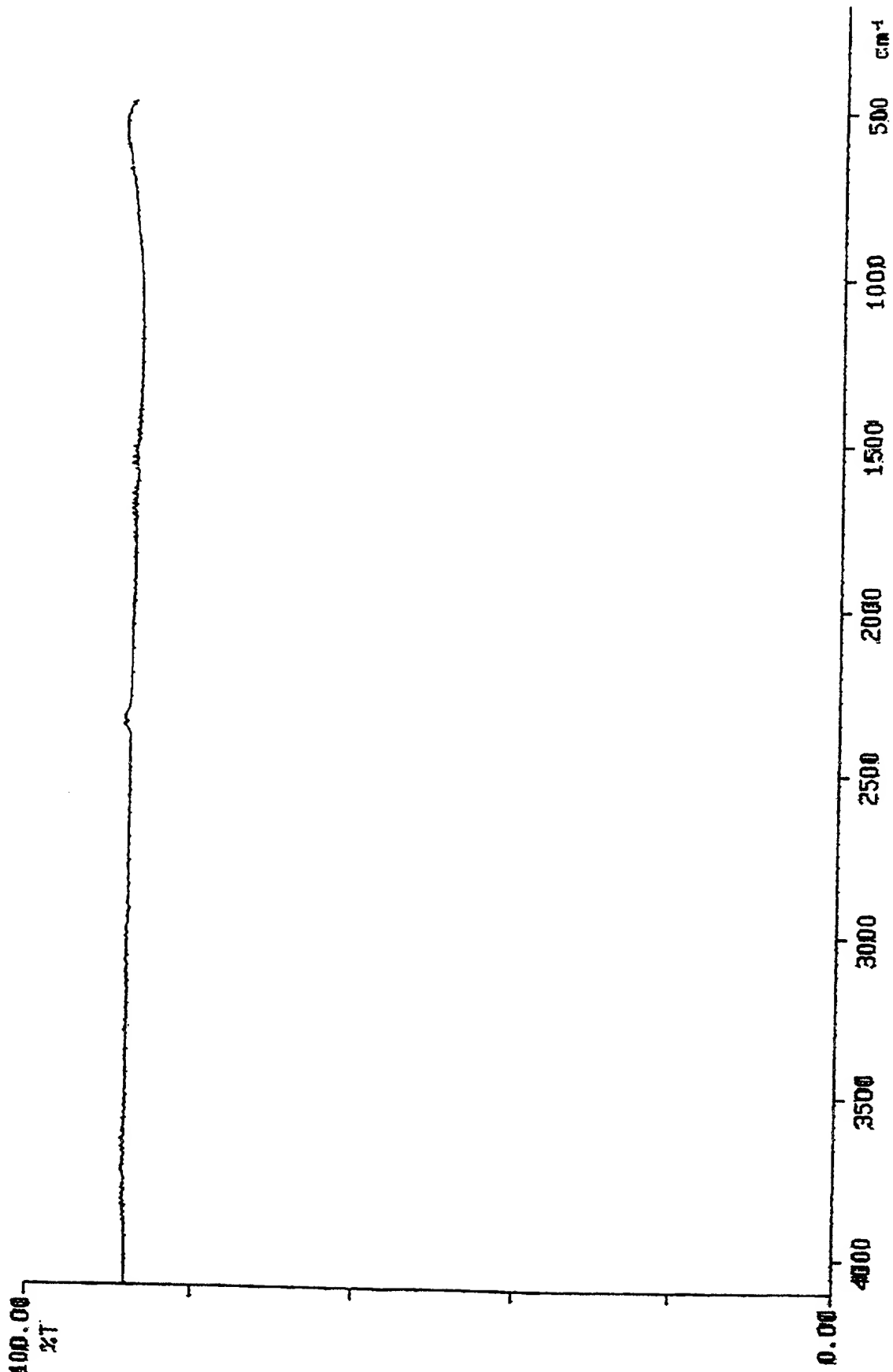
kcl19-03: 64 scans, 4.0cm⁻¹

kcl1-101000-003

FIGURE 9—SPECTRUM OF CLEAVED KCL CRYSTAL SAMPLE
SUPPORT MOUNTED IN 19MM APERTURE
SAMPLE CARD

PERKIN ELMER

100.00
%T



00/10/16 14:09
Z: 1 scan, 4.0cm-1

FIGURE 10---SPECTRUM OF CLEAVED KBR CRYSTAL SAMPLE
SUPPORT MOUNTED IN 19MM APERTURE
SAMPLE CARD

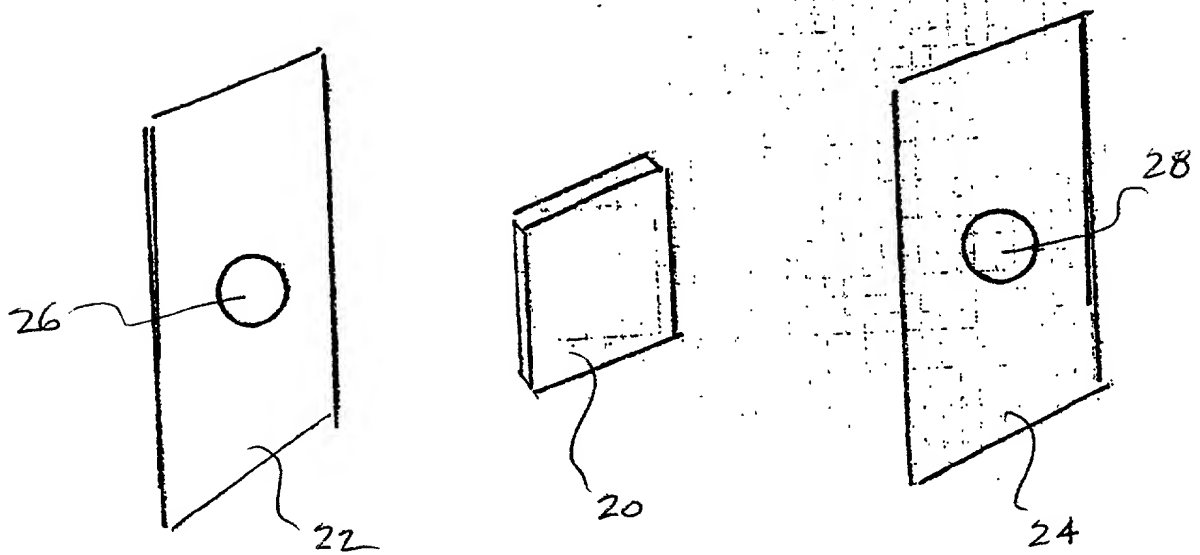
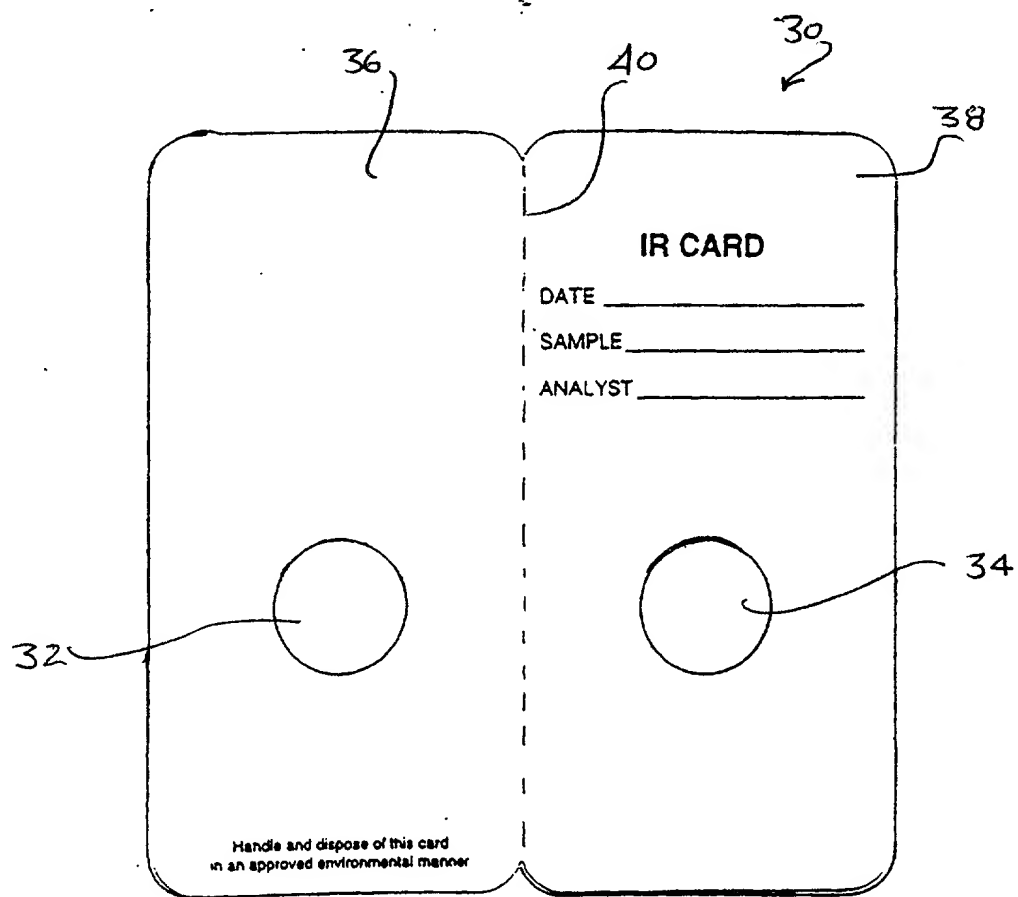
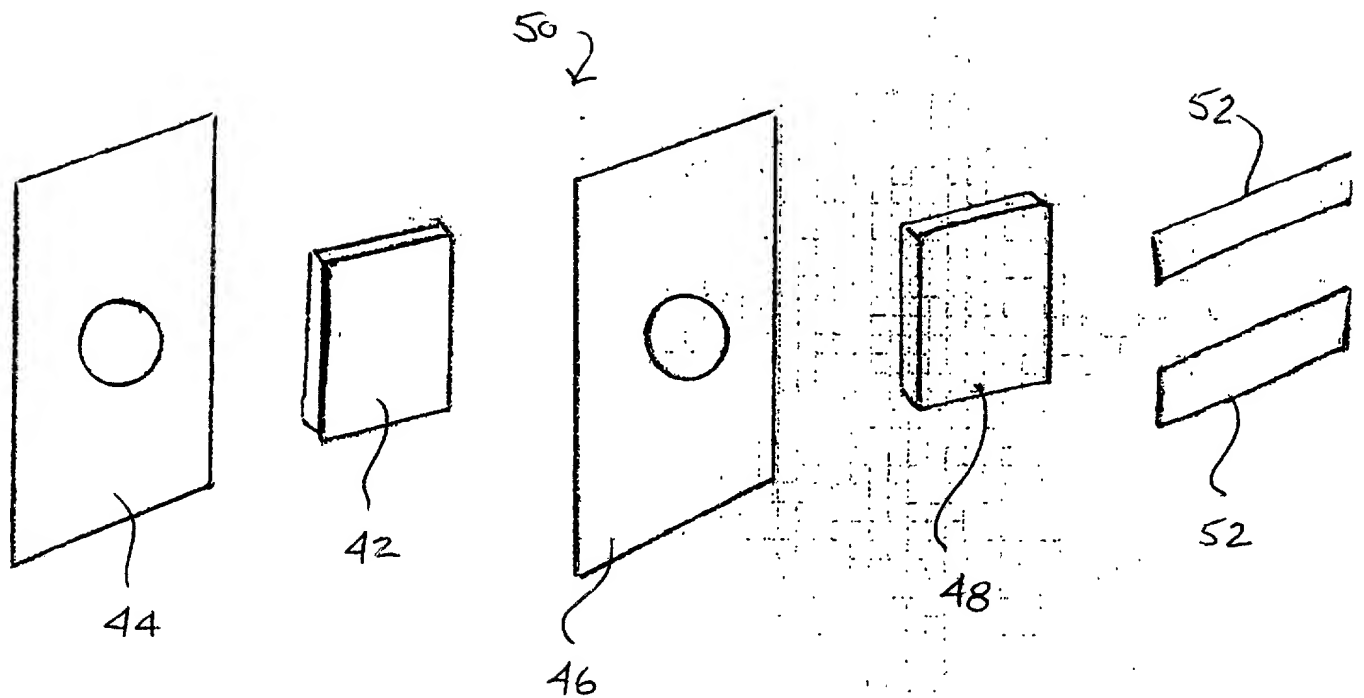


FIGURE 11---EXPLODED VIEW OF SAMPLE CARD WITH CLEAVED
CRYSTAL WINDOW AS SAMPLE SUPPORT



**FIGURE 12---SAMPLE CARD FRAME WITH 2 APERTURES FOR FOLD OVER
SANDWICHING OF SAMPLE SUPPORT WINDOW**



**FIGURE 13---EXPLODED VIEW OF SAMPLE CARD WITH CLEAVED
CRYSTAL AS SAMPLE SUPPORT AND WITH SECOND
COVER WINDOW**

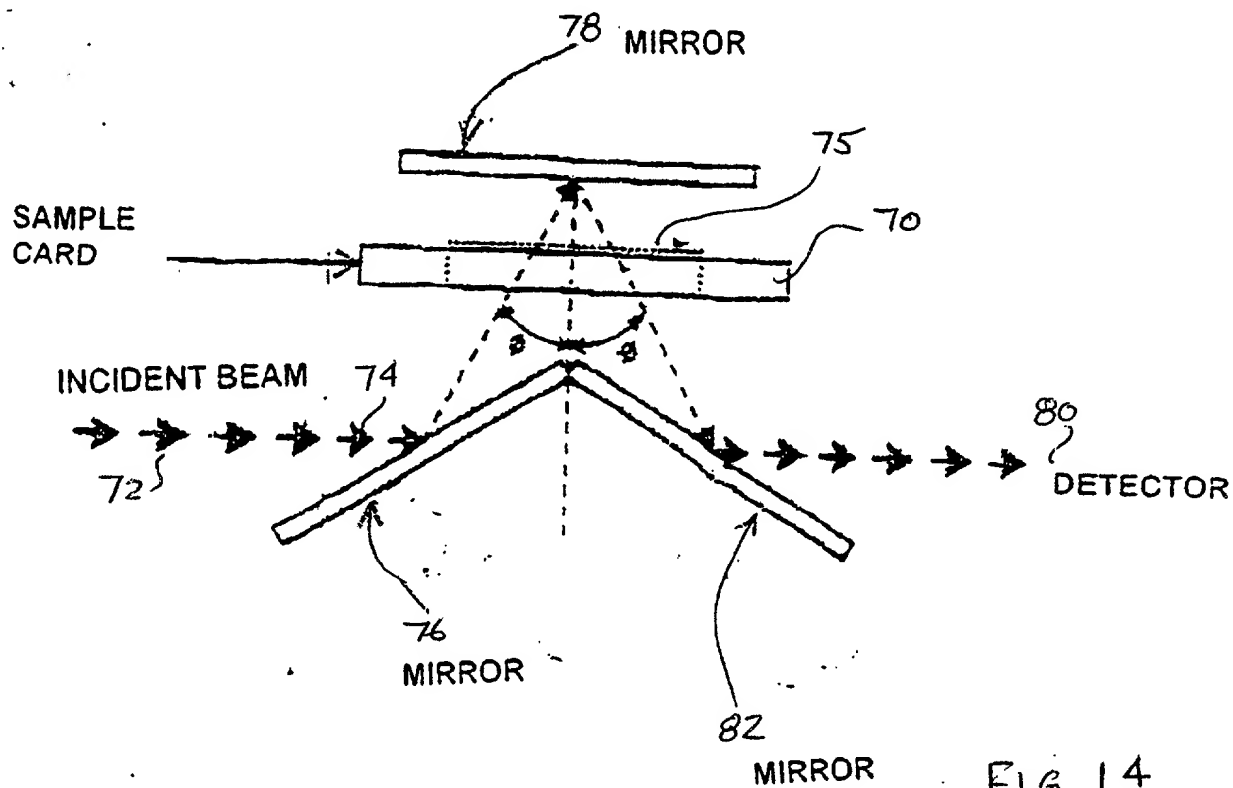


FIG. 14

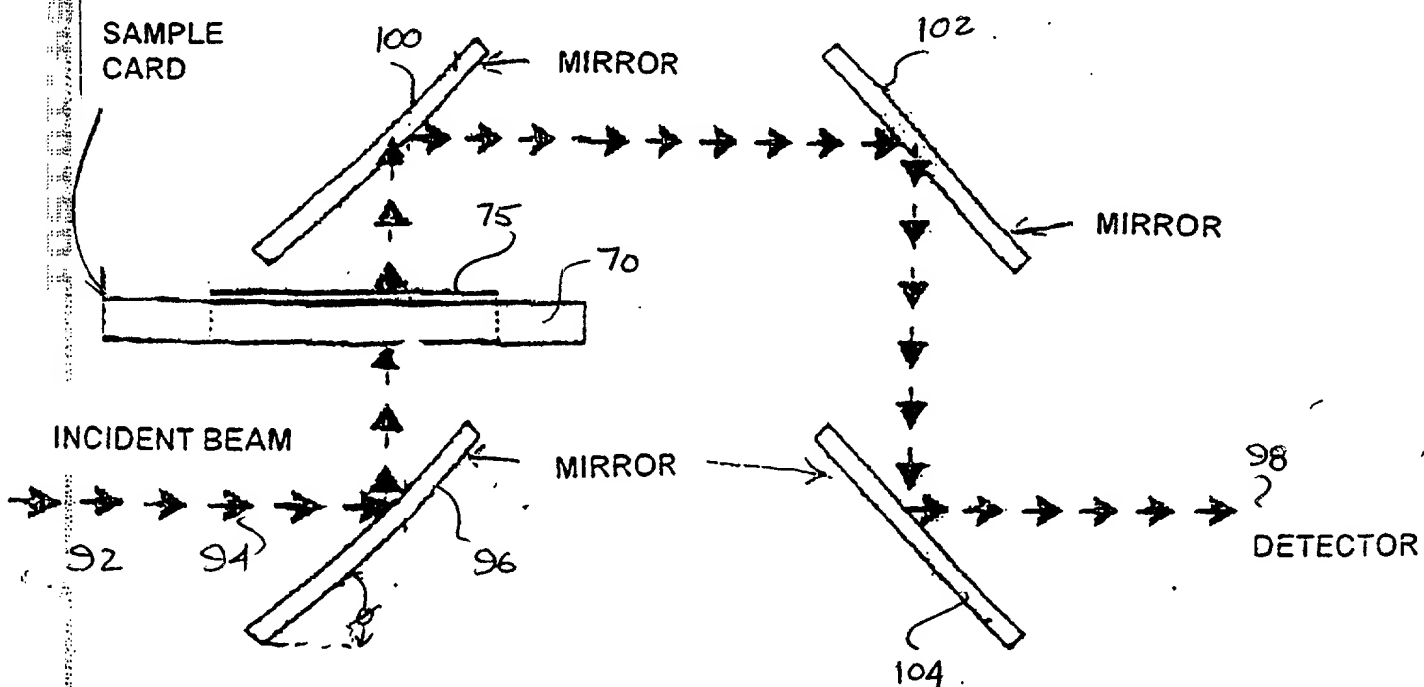


FIGURE 15--USE OF SAMPLE CARD IN HORIZONTAL POSITION

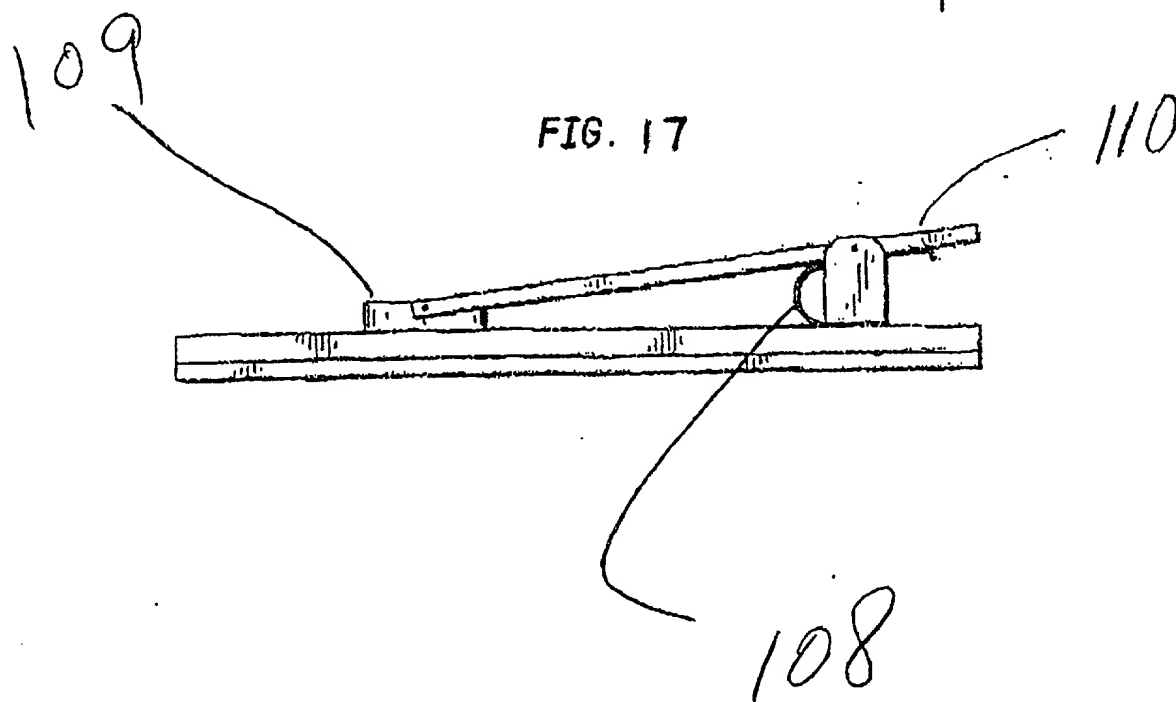
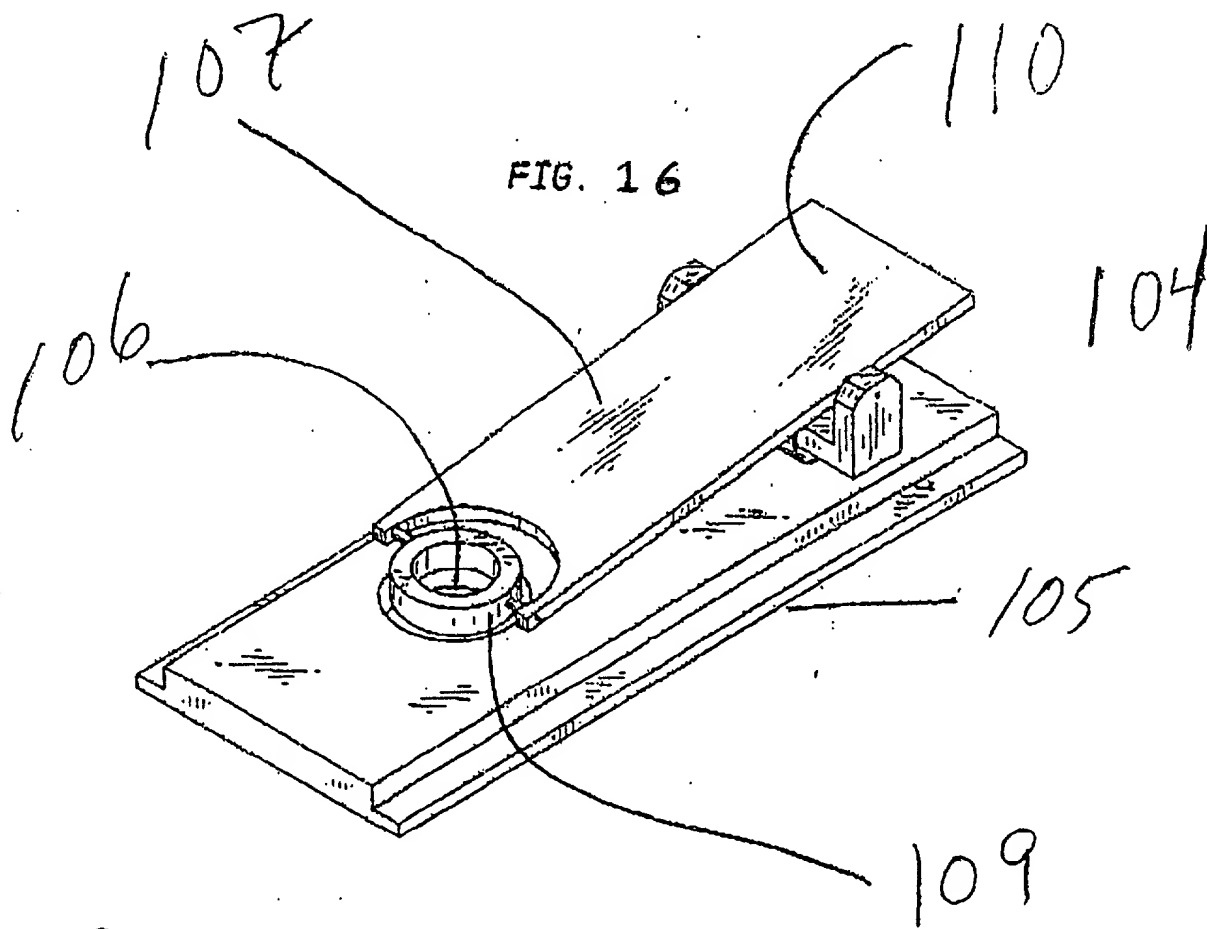


FIG. 18

